

[P17] Piperazine: Synthesis and molecular modeling

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The global problem of microbial resistance has attracted the greatest attention to medicinal chemists because of the failure of currently available antimicrobial treatment against microbial infections. Therefore, it is urgent to develop new antibacterial agents with different modes of action. In search of better antimicrobial agents, various heterocyclic compounds have been explored and the piperazine derivatives have shown a wide spectrum of pharmacological activities such as antibacterial [1-5], antifungal [6], tuberculosis, cancer [7-14], antivirals, etc. This communication focuses on the synthesis, modeling and antimicrobial activity of various derivatives of piperazine and the valuable information provided in this manuscript can help in developing better drug design antibacterial agents.

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